BRUHAT BENGALURU MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Basavasamithi and Surrounding area in Ward No. 14 (Vidyaranyapura).

Estimated Cost : Rs. 25.00 Lakhs

Job Code: 014-23-000004

Head of Account : P3726 Zonal Public Works

Name of Agency: M/s. S.S Enterprises, Prop: Sri. Nagaraj. M S/o Muniraju. H, No. 730, 1st Floor, 62nd Cross, 5th Block, Rajajinagara, Bangalore 560010.

Work Order: BBMP/EE/BTP/WO/161/2022-23 Dated: 14-03-2023.

	Date of Recording:	03-11-2023					
Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						Cum
	New Drain						
	Basavasamithi Main Road						
	From 3rd Cross to Vacent Site	1	15.00	1.00	1.00	15.00	
		1	17.00	1.00	1.00	17.00	
	Road W/S from 3rd cross to 2nd Cross						
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	7.10	1.00	1.00	7.10	
	Basavasamithi 2nd cross E/S From Main Road to SWD						
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
		1	15.00	1.00	1.00	15.00	
	Basavasamithi 2nd cross W/S From Main Road to SWD						
		1	15.00	1.00	1.00	15.00	

Contractor

Assistant Engineer – 14

Assistant Executive Engineer

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Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		1	10.00	1.00	1.00	10.00	
		1	12.00	1.00	1.20	14.40	
	Culverts						
	Basavasamithi Main Road 2nd Cross Junction	1	7.50	1.80	1.20	16.20	
		1	5.55	1.50	1.20	9.99	
	Desilting of Drains						
	Main Road E/S	1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.50	0.60	0.50	9.15	
	Total Qty =					**359.84**	
	Qty Limited to Approved Qty =					**359.69**	Cum

Contractor

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

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Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Date of Recording:	16-11-2023					
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						Cum
	New Drain Bed Concrete						
	Basavasamithi Main Road						
	From 3rd Cross to Vacent Site	1	15.00	1.00	0.15	2.25	
		1	17.00	1.00	0.15	2.55	
	Road W/S from 3rd cross to 2nd Cross						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	7.10	1.00	0.15	1.07	
	Basavasamithi 2nd cross E/S From Main Road to SWD						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
	Basavasamithi 2nd cross W/S From Main Road to SWD						
		1	15.00	1.00	0.15	2.25	
		1	10.00	1.00	0.15	1.50	
		1	12.00	1.00	0.15	1.80	
	Culverts						
	Basavasamithi Main Road 2nd Cross Junction	1	7.50	1.80	0.15	2.03	
		1	5.55	1.50	0.15	1.25	
	Total Qty =					**39.44**	Cum

Contractor

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

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Ward No. 14

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Date of Recording:	26-12-2023					
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)						Cum
	New Drain						
	Raft						
	Basavasamithi Main Road						
	From 3rd Cross to Vacent Site	1	15.00	1.00	0.15	2.25	
		1	17.00	1.00	0.15	2.55	
	Road W/S from 3rd cross to 2nd Cross						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	7.10	1.00	0.15	1.07	
	Basavasamithi 2nd cross E/S From Main Road to SWD						
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
		1	15.00	1.00	0.15	2.25	
	Basavasamithi 2nd cross W/S From Main Road to SWD						
		1	15.00	1.00	0.15	2.25	
		1	10.00	1.00	0.15	1.50	
		1	12.00	1.00	0.15	1.80	
	Side Walls						
	Basavasamithi Main Road						
	From 3rd Cross to Vacent Site	2	15.00	0.15	0.60	2.70	
		2	17.00	0.15	0.60	3.06	
	Road W/S from 3rd cross to 2nd Cross						
		2	15.00	0.15	0.61	2.75	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.59	2.66	

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

Contractor

Assistant Engineer - 14

Assistant Executive Engineer

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Pre-Measurement

Ward No. 14

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
		2	7.10	0.15	0.58	1.24	
	Basavasamithi 2nd cross E/S From Main Road to SWD						
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	15.00	0.15	0.59	2.66	
	Basavasamithi 2nd cross W/S From Main Road to SWD						
		2	15.00	0.15	0.65	2.93	
		2	10.00	0.15	0.75	2.25	
		2	12.00	0.15	0.90	3.24	
						80.83	
	Culverts						
	Basavasamithi Main Road 2nd Cross Junction	1	7.50	1.60	0.20	2.40	
		1	5.55	1.30	0.20	1.44	
	Side Walls						
	Basavasamithi Main Road 2nd Cross Junction	2	7.50	0.25	0.60	2.25	
		2	5.55	0.25	0.60	1.67	
						7.76	
	Total Qty =					**88.58**	
	Qty Limited to Approved Qty =					**88.40**	Cum

Executive Engineer Vidyaranyapura Sub Division Bangalore

Contractor

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

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Pre-Measurement

Sl.No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Date of Recording:	26-12-2023					
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						Tonne
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	Basavasamithi Main Road						
	From 3rd Cross to Vacent Site						
	10 mm dia	291	2.10	611.10	0.62	378.88	
	8 mm dia	16	32.00	512.00	0.39	199.68	
	Total					**578.56**	
	Road W/S from 3rd cross to 2nd Cross						
	10 mm dia	747	2.10	1568.70	0.62	972.59	
	8 mm dia	16	82.10	1313.60	0.39	512.30	
	Total					**1484.90**	
	Basavasamithi 2nd cross E/S From Main Road to SWD						
	10 mm dia	901	2.10	1892.10	0.62	1173.10	
	8 mm dia	16	90.00	1440.00	0.39	561.60	
	Total					**1734.70**	
	Basavasamithi 2nd cross W/S From Main Road to SWD						
	10 mm dia	228	2.10	478.80	0.62	296.86	
	8 mm dia	16	25.00	400.00	0.39	156.00	
	Total					**452.86**	
	10 mm dia	110	2.75	302.50	0.62	187.55	
	8 mm dia	19	12.00	228.00	0.39	88.92	
	Total					**276.47**	
	RCC Drains Grant Total					**4527.49**	
	Culverts						
	Basavasamithi Main Road 2nd Cross Junction						
	16 mm	75	2.80	210.00	1.58	331.80	
	12 mm	38	7.50	285.00	0.89	253.65	
	Total					**585.45**	
	16 mm	56	2.10	117.60	1.58	185.81	
	12 mm	34	5.55	188.70	0.89	167.94	
	Total					**353.75**	
	Culvert Grand Total					**939.20**	Tonne
			Total Qty =			**5466.69**	Kgs
			Qty Ltd Approved Qty =			**5.47**	Tonnes
						5.46	Tonnes

Contractor

Assistant Engineer
Ward No. 14, Vidyaranyapura

Assistant Executive Engineer
Vidyaranyapura Sub Division

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ

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